

SENIOR HYDRAULIC ENGINEER (SPECIALIST)

\$7,371 - 8,955

Consistent with the CRB's mission, utilizes computer modeling and other electronic programs, accepted hydraulic engineering principles, research, data collection and analysis in order to produce the most complex oral and written reports, evaluations and technical documents and data for presentation to the CRB staff, 10-member Board, governmental entities and other stakeholders:

- Produces hydrologic technical reports on quantity and quality of surface and ground water supplies throughout the Colorado River System in the United States and Mexico, and on the relationship between surface and groundwater supplies, current and proposed irrigation developments, and consumptive water use pertaining to the Colorado River System. Used in policy-making and negotiations.
- Develops technical hydrologic reports for use in development of plans, procedures and policy to monitor and protect California's water and power rights and interests in the Colorado River System.
- Conducts Colorado River operations studies, and produces technical documents on surface and groundwater reservoirs in the Colorado River Basin in order to monitor and document real-time and projected Colorado River water availability measurements. Used in developing River and reservoir operations policy.
- Confers and consults with technical and legal representatives from the seven Colorado River Basin States and numerous federal agencies regarding technical, legal and other relevant Colorado River water issues of concern to California.
- Produces studies and evaluations of technical legal documents and hydraulic engineering data used in evaluating legal interpretations regarding the use of water and power resources of the Colorado River. Used in Federal congressional, Federal, state and legal proceedings and in court.

REQUIREMENTS

License: Possession of a valid Certificate of Registration as a civil engineer issued by the California State Board of Registration for Professional Engineers

Experience: Two years of responsible hydraulic engineering experience performing the duties of an Associate Hydraulic Engineer in California state service or in a comparable work. AND Graduation from college with major work in engineering (Additional experience in hydraulic engineering may be substituted for college training on the basis of one year of experience being equivalent to one year of college.)

TAU HIRE: Will consider a **TAU** (Temporary Authorization) hire for applicants who have no California state transfer or reinstatement eligibility. As a TAU hire, the candidate must participate in an exam within nine months of the original appointment date. The candidate must score within the top three ranks of this exam in order to achieve eligibility for permanent appointment to California civil service.

FINAL FILE DATE: Until filled.

APPLICATION: All applicants must submit a completed standard state application, form STD 678, (www.spb.ca.gov/Employment/documents/capp.pdf) to:

Colorado River Board
770 Fairmont Ave., Suite 100
Glendale, CA 90026-0325

CONTACT: Marlene Martinez, 818-500-1625 extension 307

ADDITIONAL INFORMATION

MARGINAL FUNCTIONS

Not Applicable

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of:

- Water resource development planning, including the science of hydrology
- Water resource inventories
- Water utilization;
- Statutory enactments and court decisions relating to water appropriations, distribution, and the investigation leading to the adjudication of the rights to use water and the practice of distributing water supply under stipulated agreements and court decrees;
- All Federal and State programs for water development

Ability to:

- Function as a specialist in one or more of the fields described above
- Analyze situations accurately and take effective action;
- Prepare clear and concise engineering reports

DESIRABLE QUALIFICATIONS

- Tact and leadership.
- Consensus builder.
- Willingness to assume increasing responsibility.

SPECIAL PERSONAL CHARACTERISTICS

- Ability to work under pressure and meet deadlines
- Ability to work independently and as a team member

- Ability to use tact, good judgment, tact and diplomacy
- Ability to communicate effectively, verbally and in writing, with a variety of individuals from a variety of local, state, federal and other organizations
- Ability to coordinate and direct the work of others
- Ability to achieve consensus in situations involving highly complex technical data and political considerations

ADDITIONAL QUALIFICATIONS

Possession of a valid Certificate of Registration as a civil engineer issued by the California State Board of Registration for Professional Engineers.

INTERPERSONAL SKILLS

Not applicable

WORK ENVIRONMENT, PHYSICAL OR MENTAL ABILITIES

- Professional office environment
- Required effectiveness under stress, including ability to meet deadlines
- Frequent use of personal computer, related software applications and peripherals
- Travel in- and out-of-state, and overnight stay